

FIG. 1

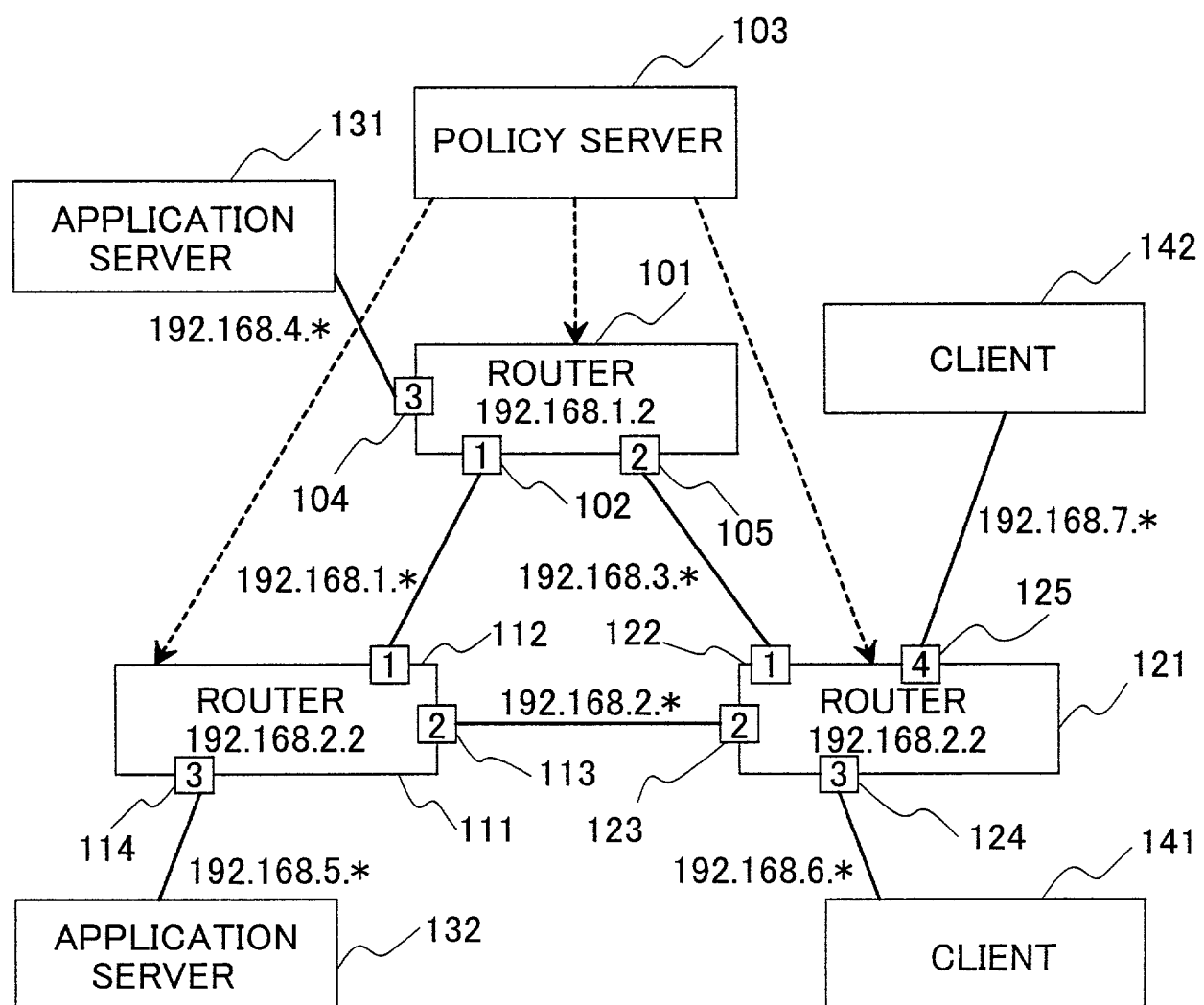


FIG. 2

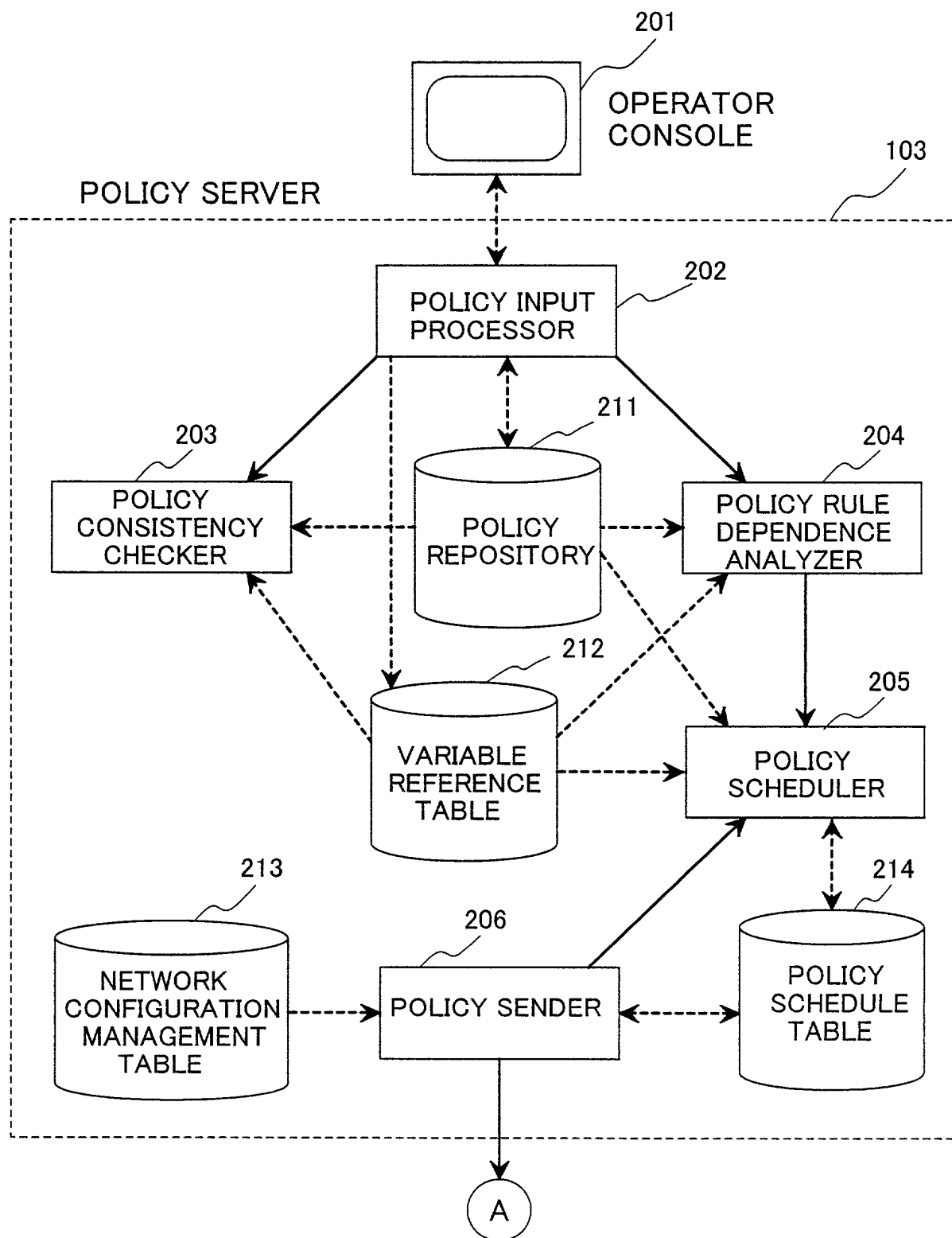


FIG. 3B

361
↓

RULE TYPE	CONDITION	ACTION							TIME	
		LABEL	DS CP	DISCARD			LABELING	FROM	TO	
				ALG	RATE	UNIT				MIN
QOS ACTION										
	VIDEO POLICE	-	DROP ALL	-	-	-	-	9:00	17:00	
↑ 362	↑ 363	↑ 364	↑ 365	↑ 366	↑ 367	↑ 368	↑ 369	↑ 370	↑ 371	↑ 372

RULE TYPE	CONDITION	ACTION				TIME	
		RATE UNIT	MIN RATE	MAX RATE	PARENT	FROM	TO
QOSACTION	LABEL						
	VIDEOSCHEDL	KBPS	1000	2000	PRIORITY	SAT	SUN

FIG. 4A

401
↓

RULE ID	RULE TYPE	CONDITION	ACTION	
#1	CLASSIFICATION	→ (A)	1	← 402
#2	POLICING	→ (B)	2	← 403
#3	QOSACTION	1	→ (C)	← 404
#4	QOSACTION	2	→ (D)	← 405
#5	SCHEDULING	3	→ (E)	← 406

↑ ↑ ↑ ↑

411 412 413 414

FIG. 4B

(A) →	PROTOCOL	TCP	← 421
	SOURCEIPMIN	192.168.4.1	← 422
	SOURCEIPMAX	192.468.4.1	← 423
	SOURCEPORT	NULL	← 424
	DESTINATIONIPMIN	NULL	← 425
	DESTINATIONIPMA	NULL	← 426
	X		
	DESTINATIONPORT	NULL	← 427
	DSCP	NULL	← 428

(B) →	LABEL	1	← 431
	COMMITTEDRATE	1000	← 432
	BURSTRATE	NULL	← 433

(C) →	DSCP	46	← 441
	DISCARDALGORITHM	WRED	← 442
	DISCARDRATE	300	← 443
	THRESHOLDUNIT	PACKETS	← 444
	MINTHRESHOLD	50	← 445
	MAXTHRESHOLD	100	← 446
	LABELING	3	← 447

(D) →	DSCP	255	← 451
	DISCARDALGORITHM	DROPALL	← 452
	DISCARDRATE	NULL	← 453
	THRESHOLDUNIT	NULL	← 454
	MINTHRESHOLD	NULL	← 455
	MAXTHRESHOLD	NULL	← 456
	LABELING	NULL	← 457

(E) →	MINRATE	1000	← 461
	MAXRATE	2000	← 462
	PARENT	PRIORITYSHEDL	← 463

FIG. 5

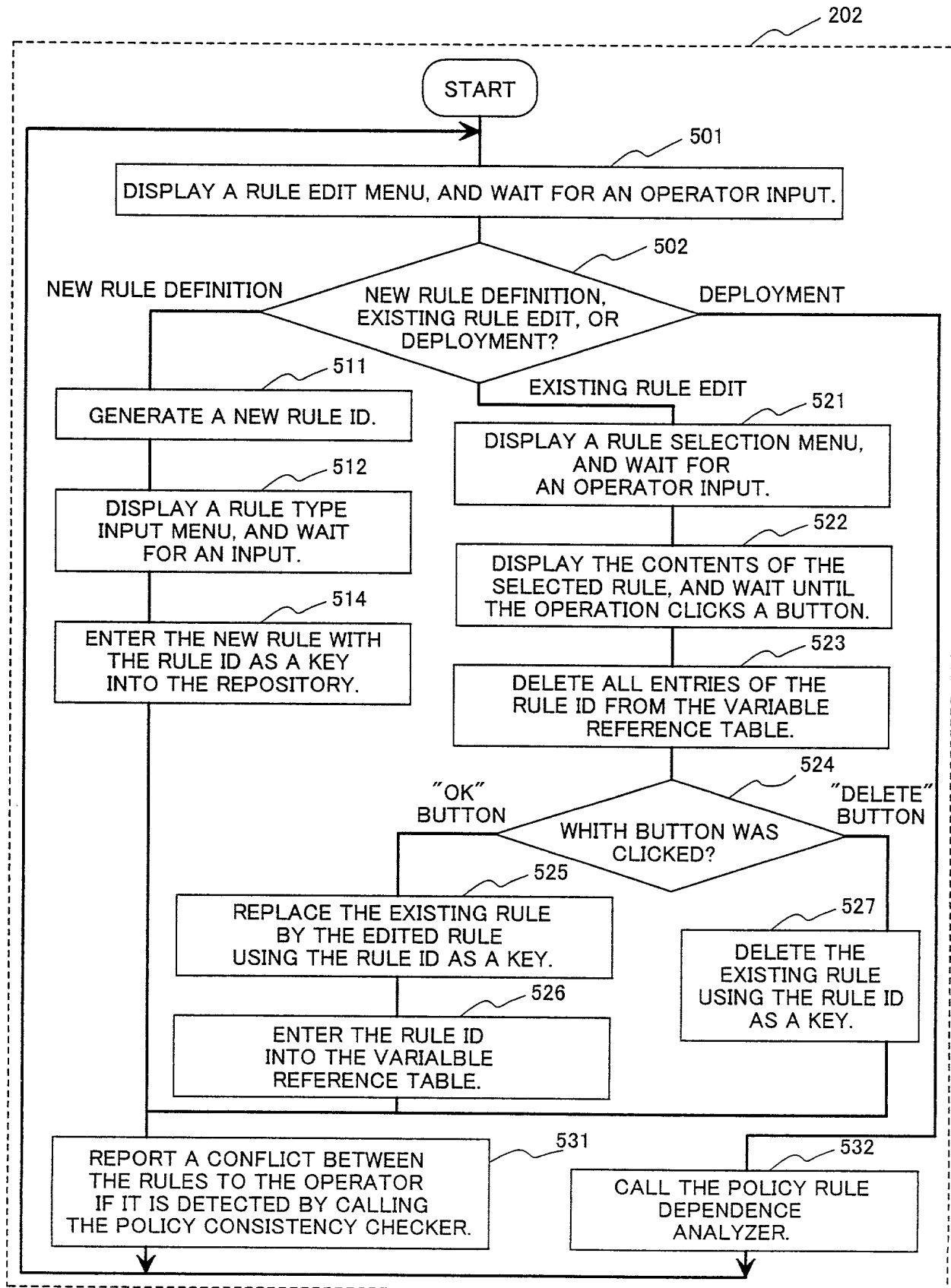


FIG. 6

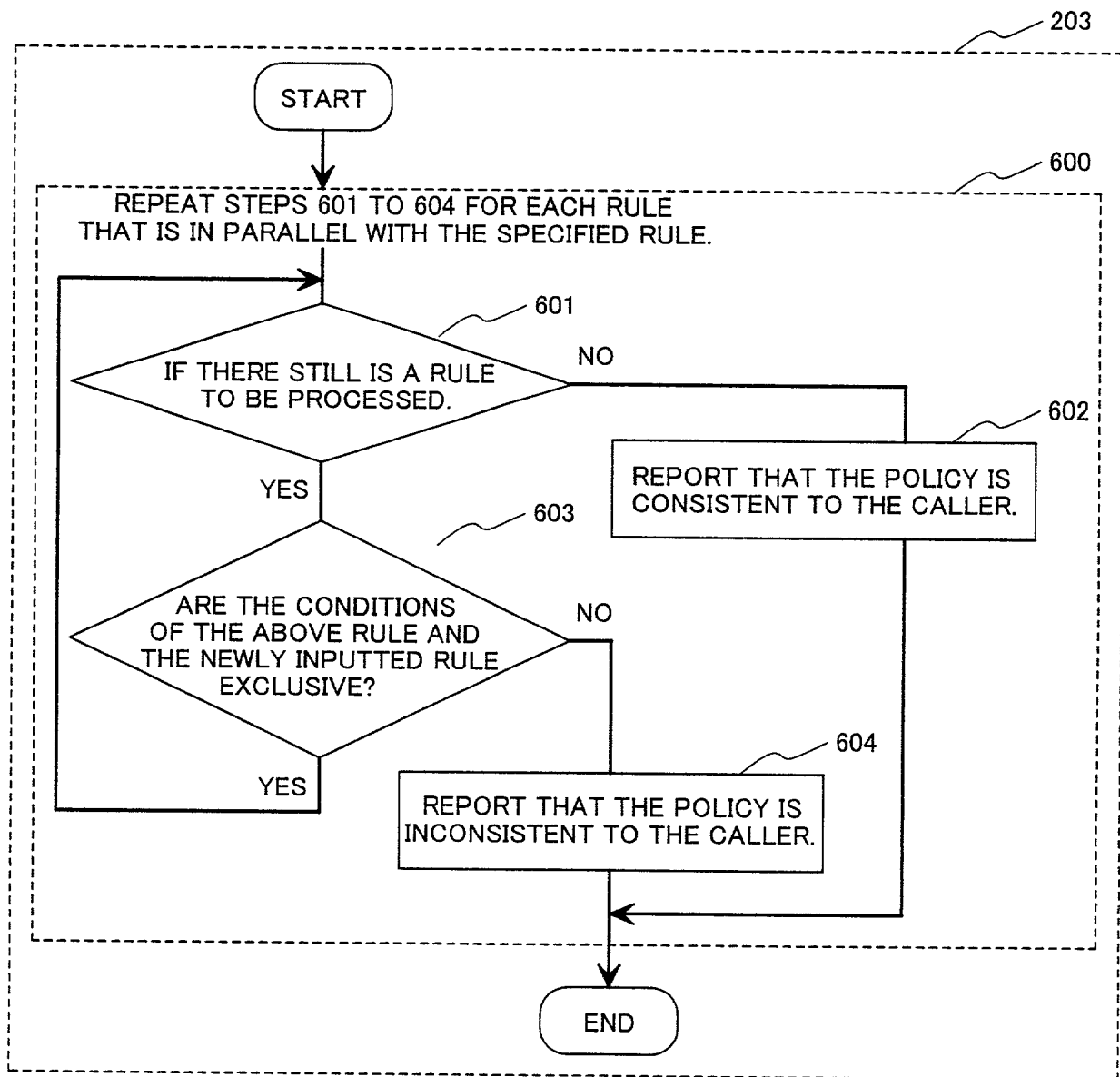


FIG. 7

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RULE ID	EVENT	NEXT TIME	TIME	
#1	DEPLOY	1999-11-27 0:00	SAT	← 702
#3	DEPLOY	1999-11-27 0:00	SAT	← 703
#5	DEPLOY	1999-11-27 0:00	SAT	← 704
#2	DEPLOY	1999-11-27 9:00	9:00	← 705
#4	DEPLOY	1999-11-27 9:00	9:00	← 706
#2	UNDEPLOY	1999-11-27 17:00	17:00	← 707
#4	UNDEPLOY	1999-11-27 17:00	17:00	← 708
#1	UNDEPLOY	1999-11-29 0:00	SUN	← 709
#3	UNDEPLOY	1999-11-29 0:00	SUN	← 710
#5	UNDEPLOY	1999-11-29 0:00	SUN	← 711

↑
721

↑
722

↑
723

↑
724

FIG. 8

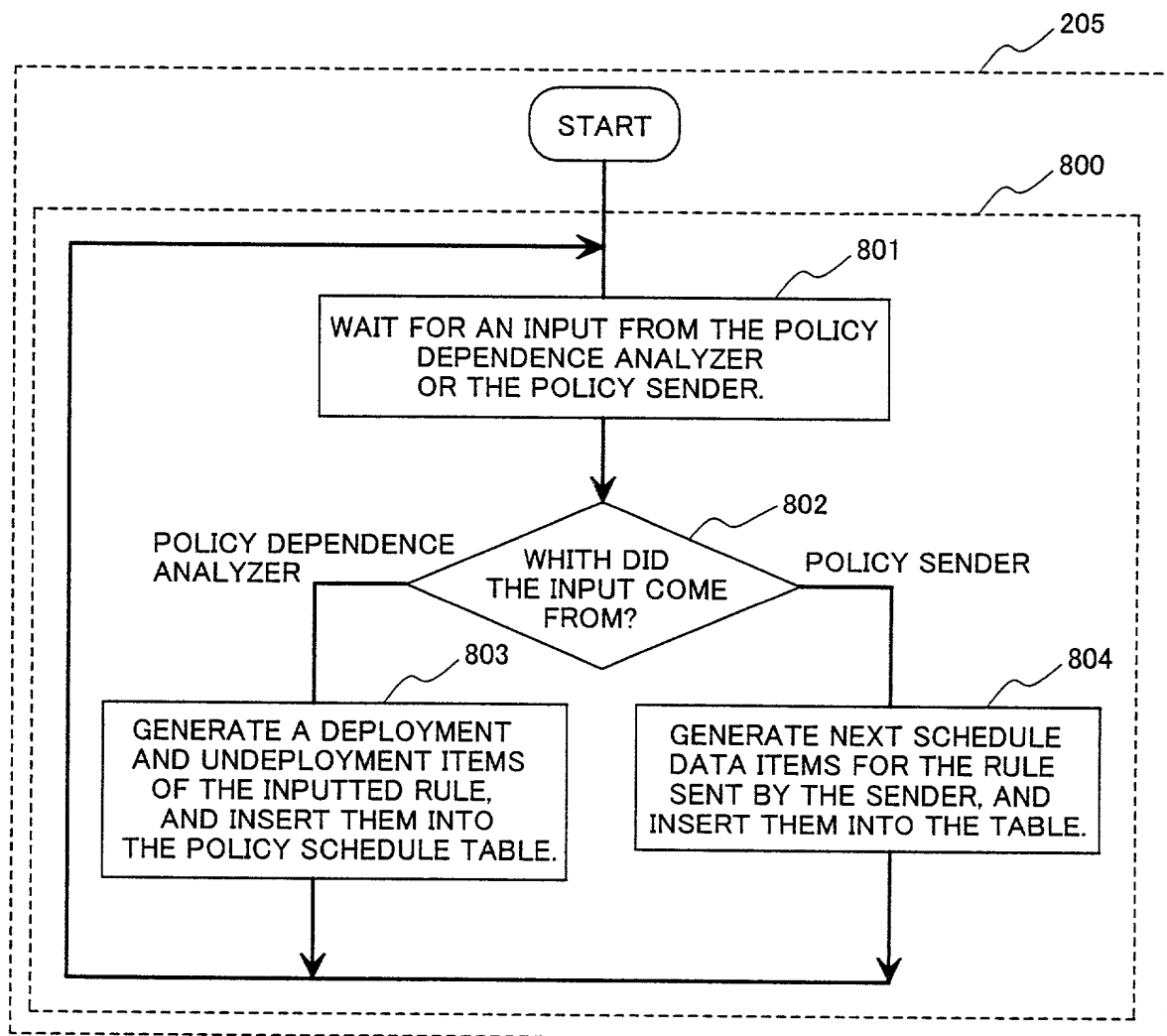


FIG. 9

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↓

TARGET IP	ROUTER IP	INTERFACE	
192.168.4.*	192.168.1.2	3	← 902
192.168.5.*	192.168.2.2	3	← 903
192.168.6.*	192.168.3.2	3	← 904
192.168.7.*	192.168.3.2	4	← 905

↑ ↑ ↑

911 912 913

FIG. 10

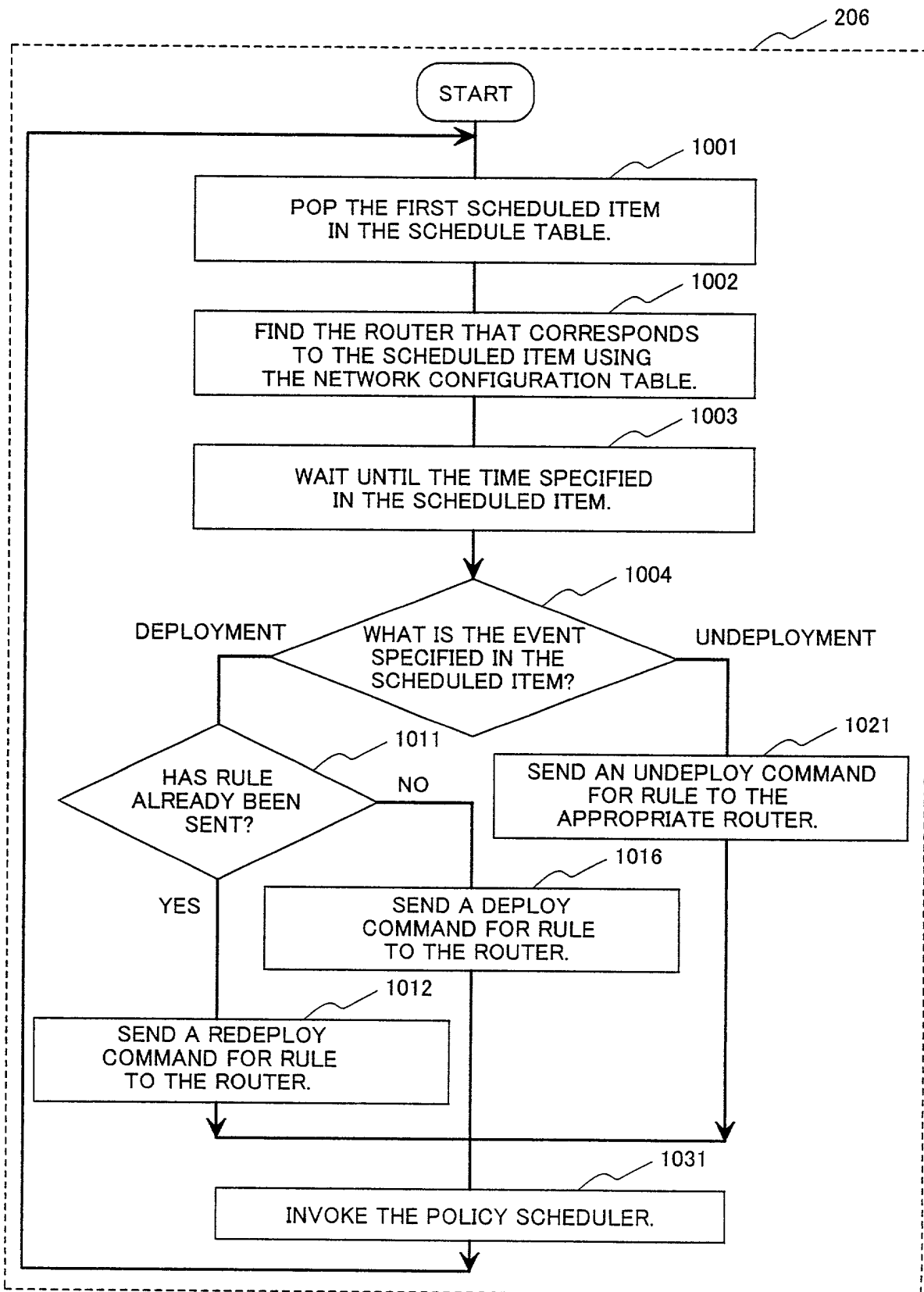


FIG. 11

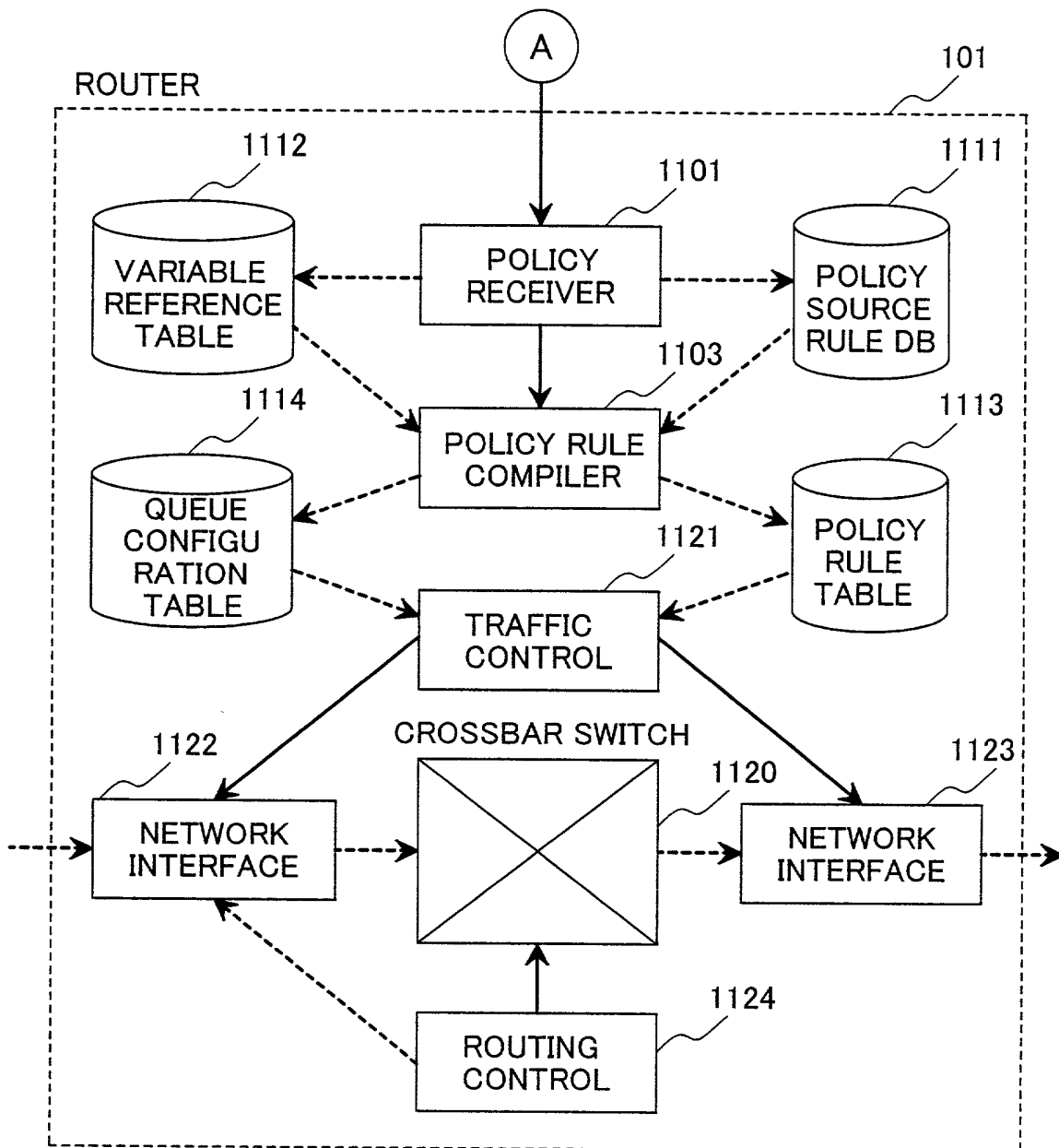


FIG. 12

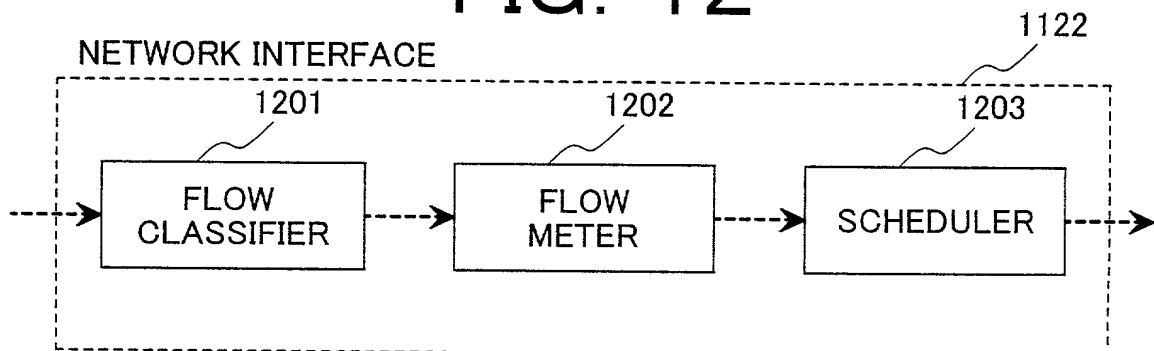


FIG. 14A

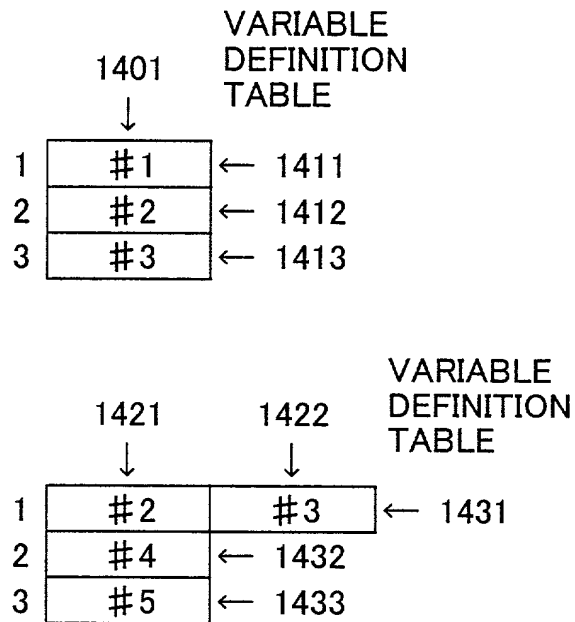


FIG. 14B

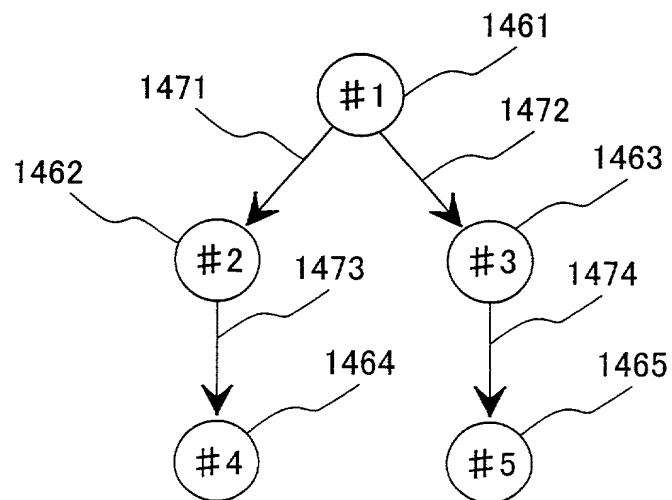


FIG. 15

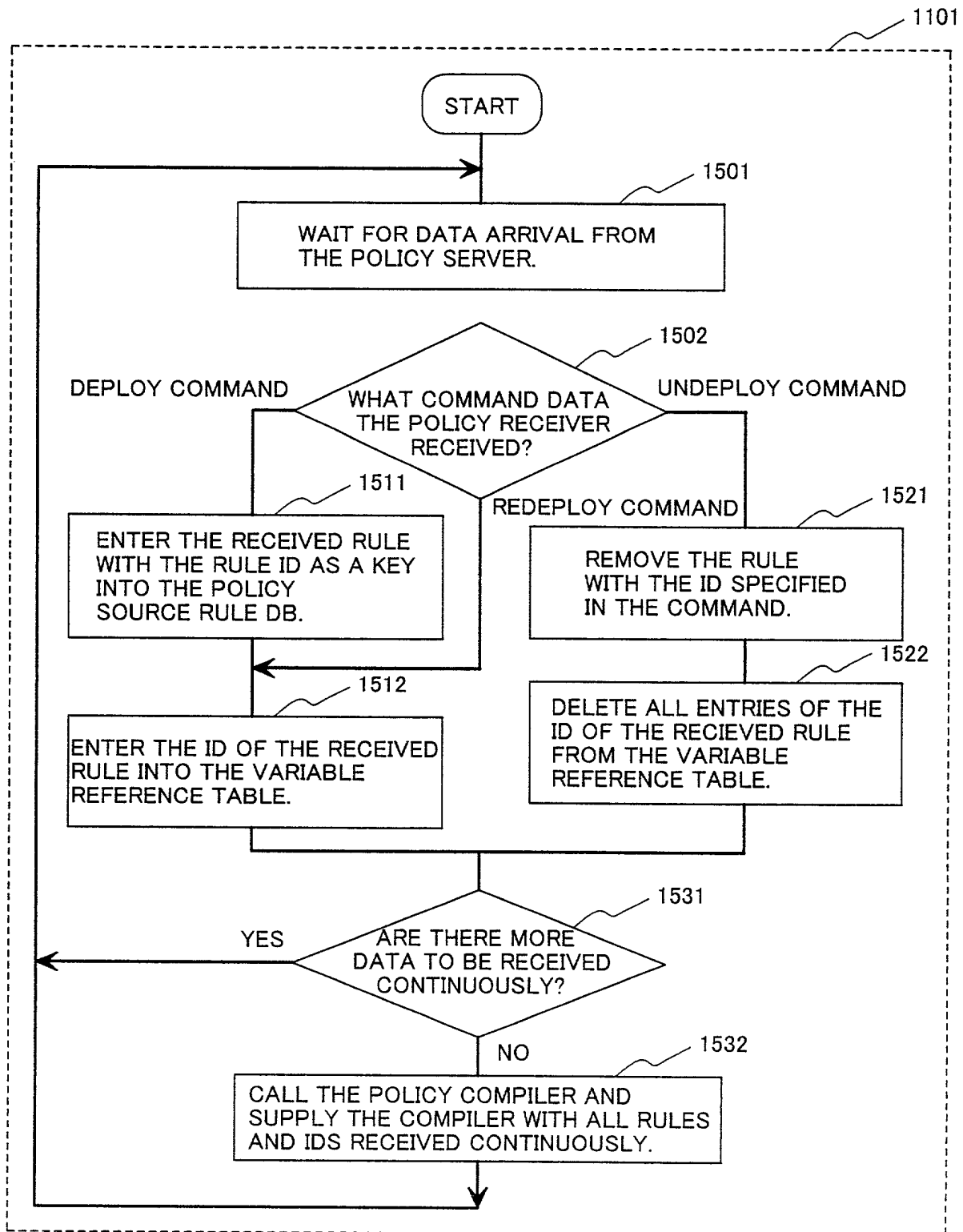


FIG. 16

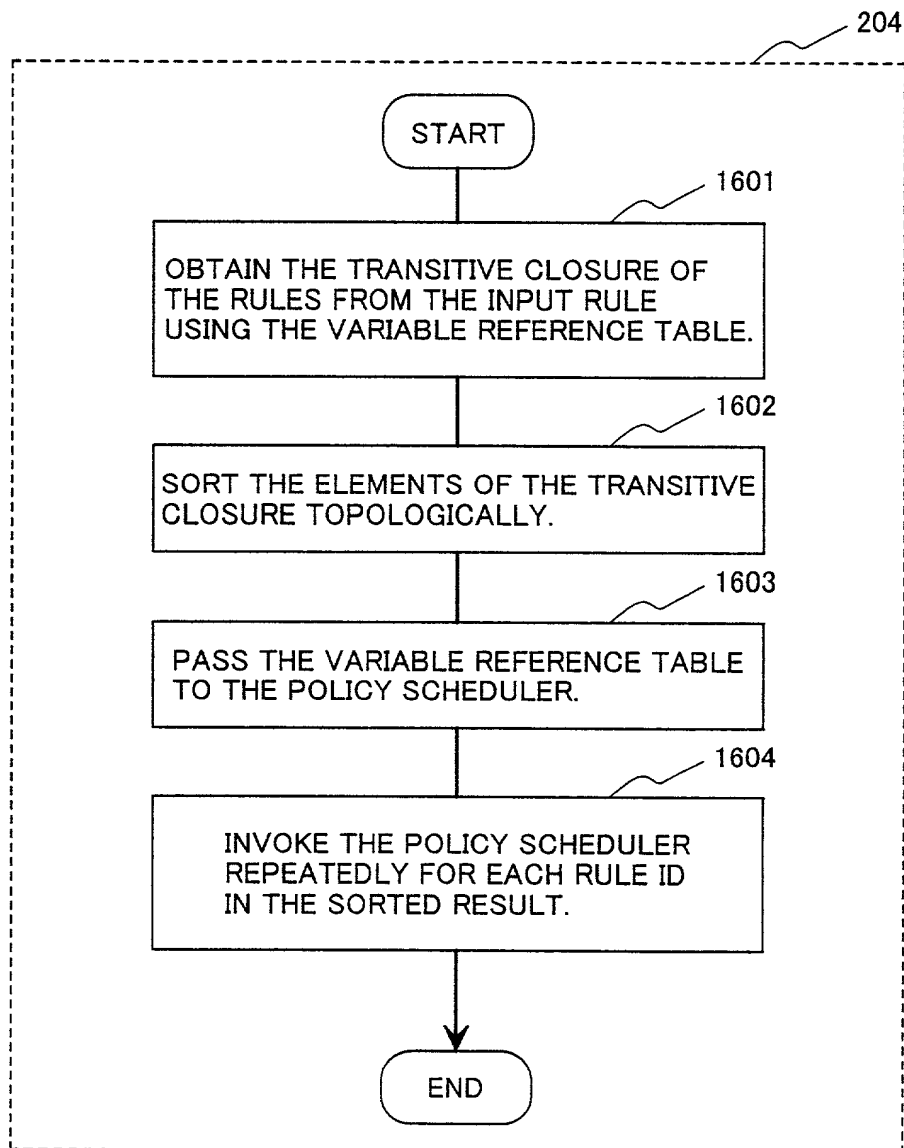


FIG. 17

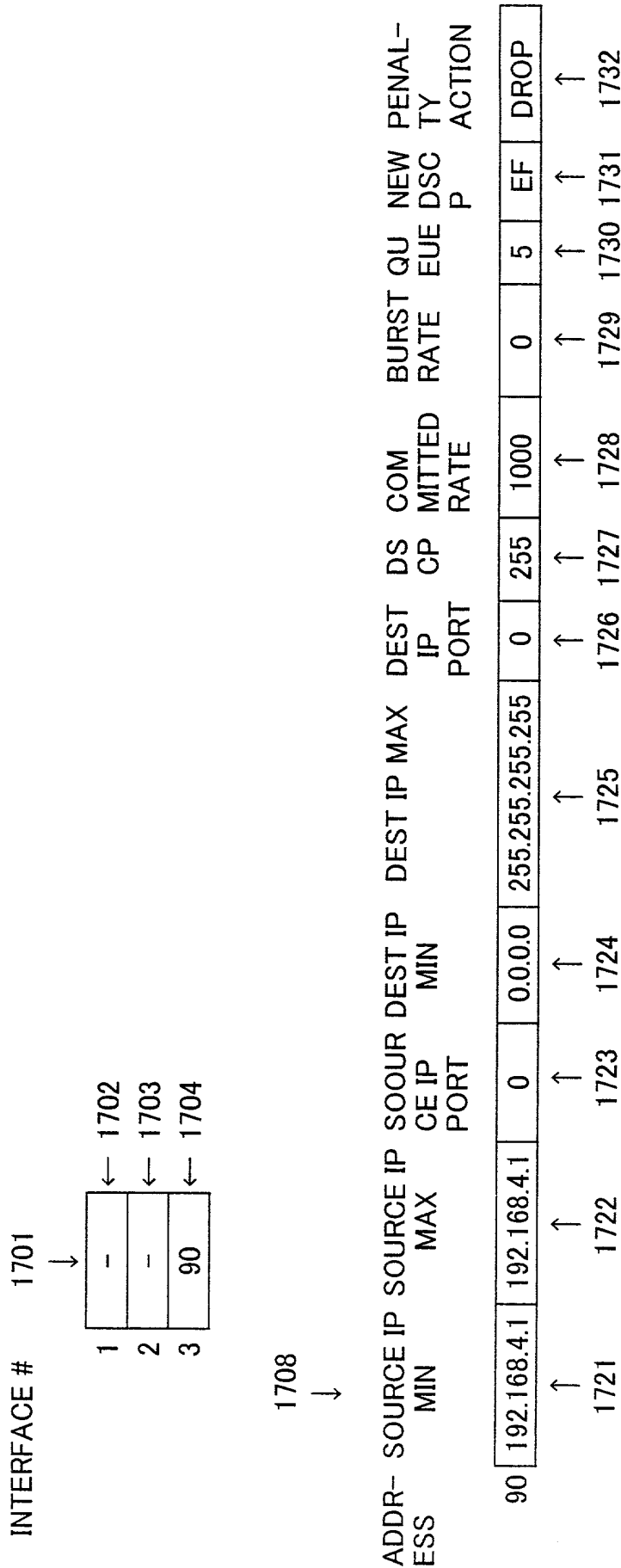


FIG. 19

1103

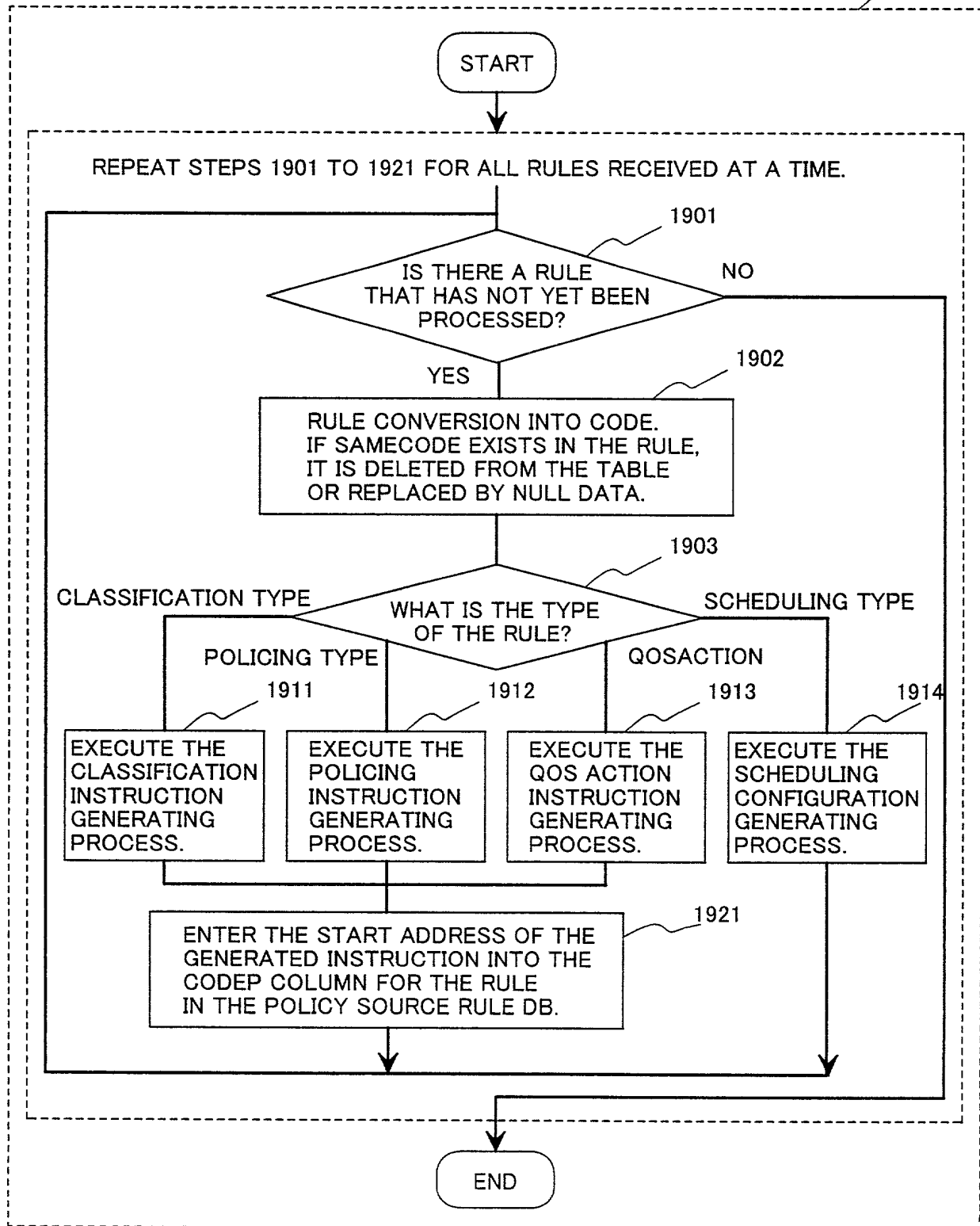


FIG. 20

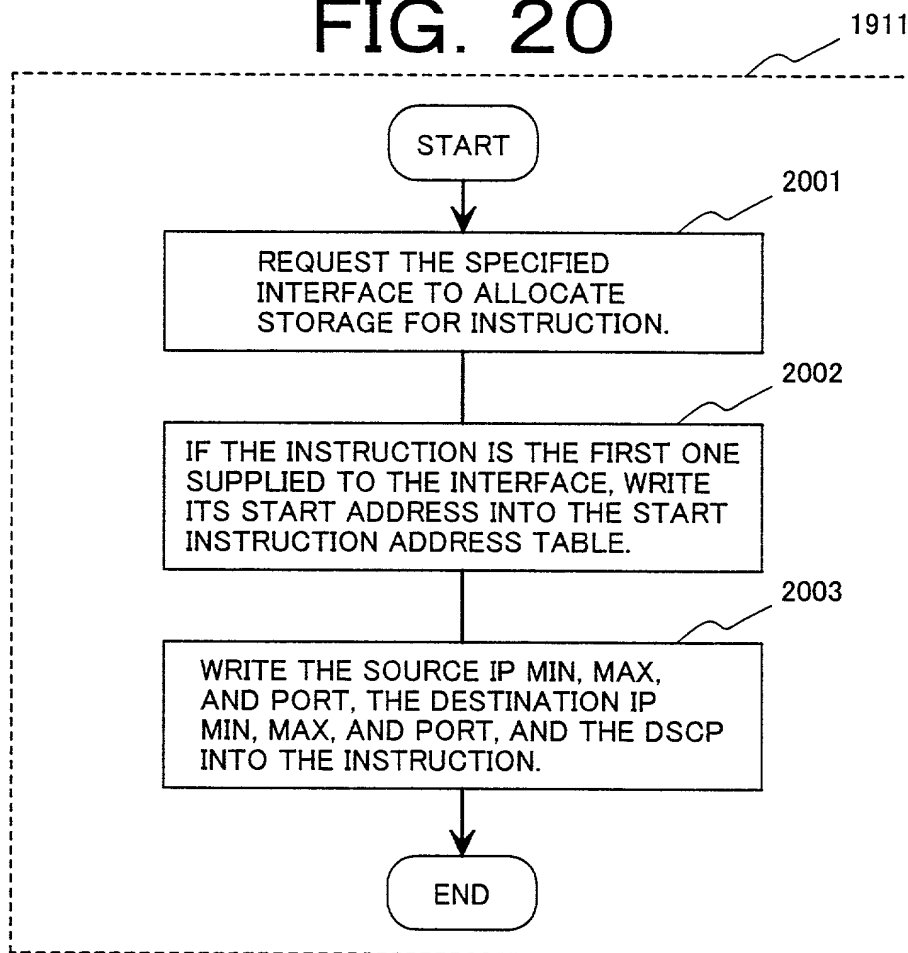


FIG. 21

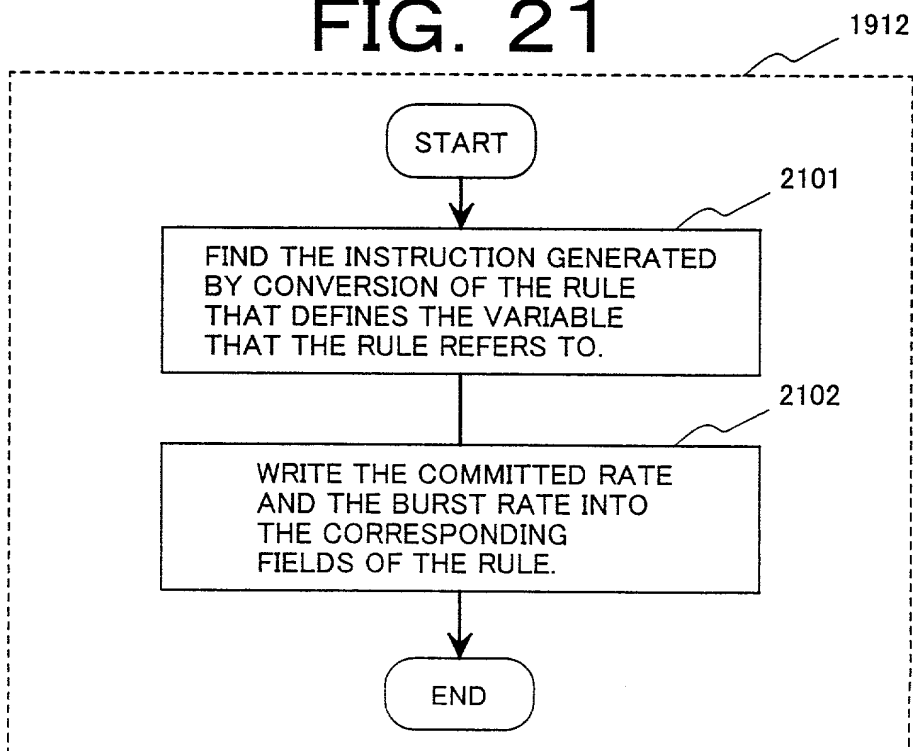


FIG. 22

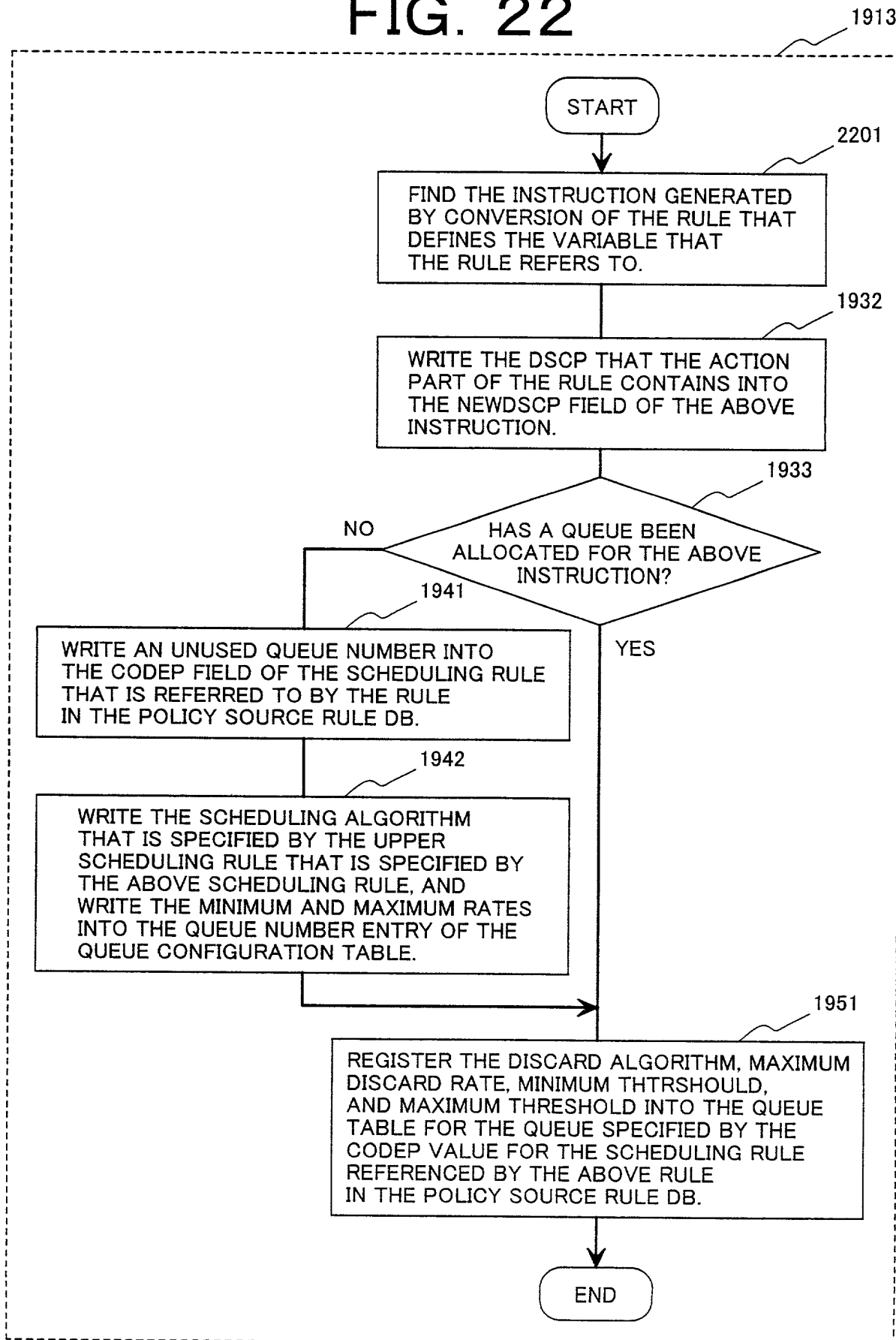


FIG. 23

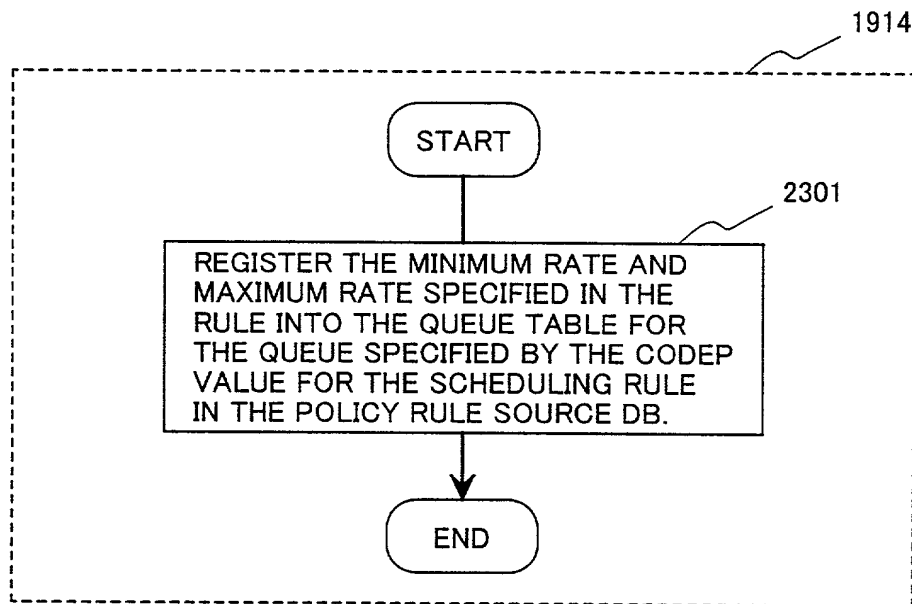


FIG. 24

	2401	2402	2403	2404	
		↓	↓	↓	
OP, RULEID, INTERFACE	2401	DEPLOY	#1	3	
CONDITIONLENGTH		32			← 2412
PROTOCOL		TCP			← 2413
SOURCEIPMIN		192.168.4.1			← 2414
SOURCEIPMAX		192.168.4.1			← 2415
SOURCEPORT		NULL			← 2416
DESTINATIONIPMIN		NULL			← 2417
DESTINATIONIPMAX		NULL			← 2418
DESTINATIONPORT		NULL			← 2419
DSCP		NULL			← 2420
ACTIONLENGTH		12			← 2421
NEWLABEL		1			← 2422
COMMITTEDRATE		1000			← 2423
BURSTRATE		NULL			← 2424

	2431	2432	2433	2434	
		↓	↓	↓	
OP, RULEID, INTERFACE	2431	REDEPLOY	#1	3	

	2441	2442	2443	2444	
		↓	↓	↓	
OP, RULEID, INTERFACE	2441	UNDEPLOY	#1	3	

FIG. 25A

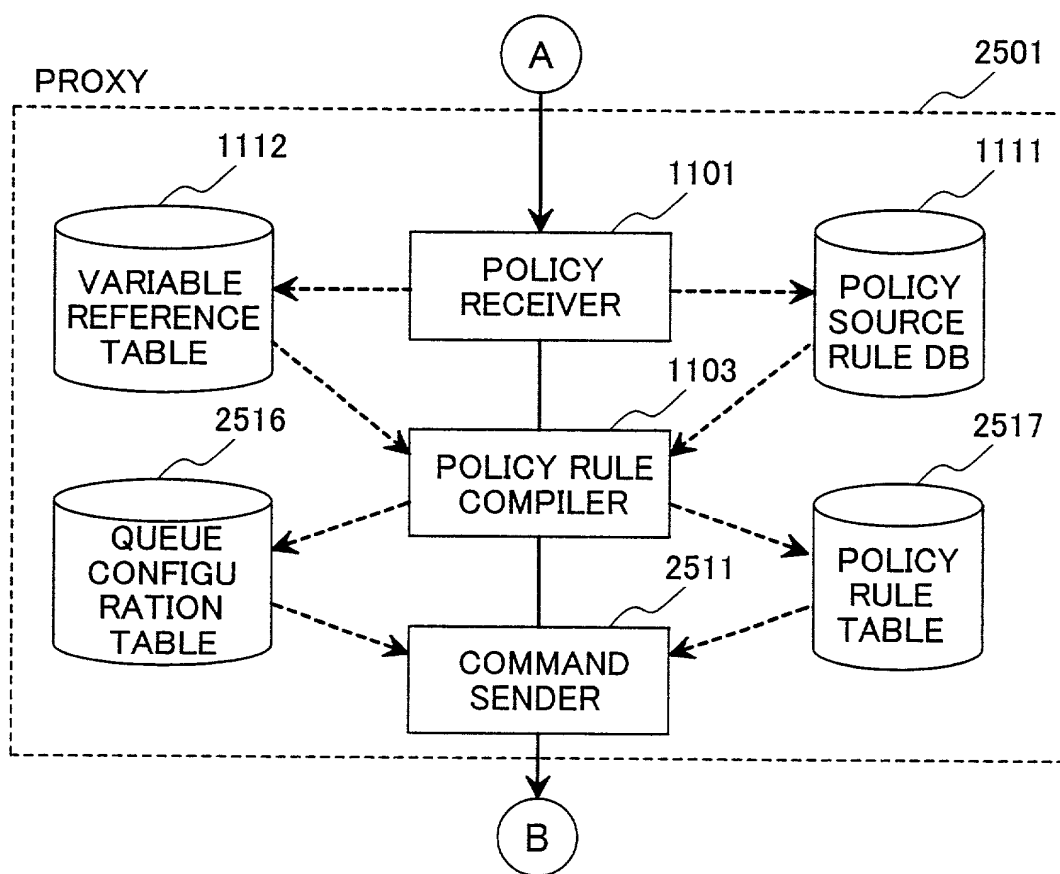


FIG. 25B

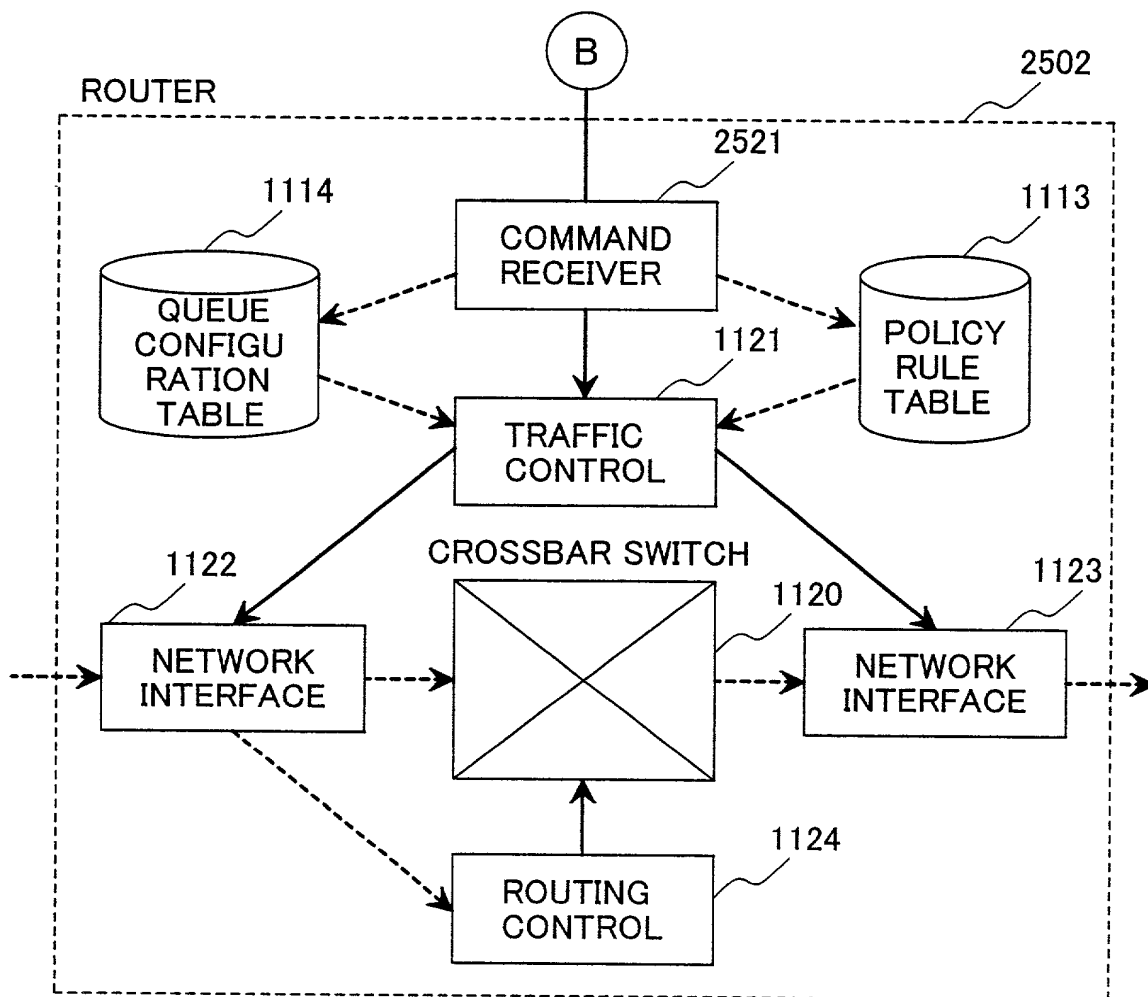


FIG. 26

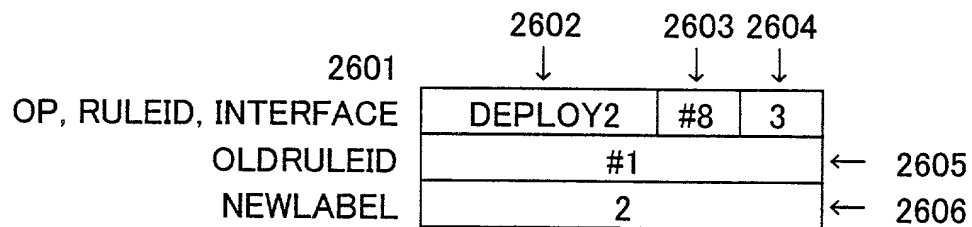


FIG. 27

